



Micro Commercial Components

Micro Commercial Components

20736 Marilla Street Chatsworth
CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

KTA1664-O KTA1664-Y

Features

- Low Collector Saturation Voltage
- Execllent current-to-gain characteristics
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	-30	V
V_{CBO}	Collector-Base Voltage	-35	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
Ic	Collector Current	-0.8	Α
Pc	Collector power dissipation	0.5	W
R _{thJA}	Thermal Resistance From Junction To Ambient	250	°C/W
TJ	Junction Temperature	150	$^{\circ}\mathbb{C}$
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}$

Electrical Characteristics @ 25° Unless Otherwise Specified

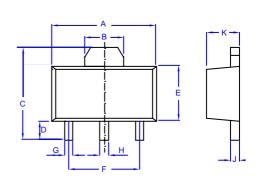
Symbol	Parameter	Min	Тур	Max	Units
V _{(BR)CBO}	Collector-base Breakdown Voltage (I _C =-1mAdc, I _E =0)	-35	-		Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =-10mAdc, I _B =0)	-30	1		Vdc
$V_{(BR)EBO}$	Emitter-base Breakdown Voltage (I _E =-1mAdc, I _C =0)	-5			Vdc
I _{CBO}	Collector-Base Cutoff Current (V _{CB} =-35Vdc,I _E =0)			-0.1	uAdc
I _{EBO}	Emitter-Base Cutoff Current (V _{EB} =-5Vdc, I _C =0)			-0.1	uAdc
h _{FE(1)}	DC Current Gain (I _C =-1Adc, V _{CE} =-2.0Vdc)	100		320	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (I _C =-500mAdc, I _B =-20mAdc)			-0.7	Vdc
V_{BE}	Base-Emitter Voltage (I _C =-10mAdc, V _{CE} =-1Vdc)	-0.5		-0.8	Vdc
f⊤	Transition Frequency (V _{CE} =-5Vdc, I _C =-10mAdc)		120		MHz
C _{ob}	Collector output capacitance (V _{CB} =-10Vdc, I _E =0,f=1.0MHz)		19		pF

CLASSIFICATION OF HEED

Rank	0	Υ
Range	100-200	180-390
Marking	RO	RY

PNP Silicon Epitaxial Transistors

SOT-89





- 1. Base
- 2. Collector
- 3. Emitter

DIMENSINS					
DIM	INCHES		MM		NOTES
	MIN	MAX	MIN	MAX]
Α	.173	.181	4.39	4.60	
В	.061		1.55		REF.
С	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118		3.00		TYP
G	.013	.019	0.33	0.48	
Н	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	

www.mccsemi.com

Revision: A 2013/12/25

1 of 2



Micro Commercial Components

Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel 1Kpcs/Reel

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. **Micro Commercial Components Corp.** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp.** and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.